



main board. The battery layout is slightly different and permits use of an easily-obtainable battery.

TAPR firmware can be used if you don't want the mailbox. Also WA8DED and dedicated KISS eproms are available from TAPR. From the recent MFJ ads it looks like there are some hardware mods which have been added to expand the mailbox memory. The ads also say "true DCD for HF", which would seem to imply the TAPR 2211 DCD mods have been incorporated (these help VHF as well, in those cases where unsquelched receiver noise triggers the DCD -- not nearly as much of a problem as with 3105 or 7910 modems).

Unless PacComm still has TNC-200s, which I doubt, the 1270B is the closest thing to a "true TAPR TNC-2 clone" available as an assembled unit.

Bob

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Bob Nielsen W6SWE  
Internet: rnielsen@tapr.ampr.org  
ax.25: w6swe@kc7cg.az.usa.na  
-----

Date: 12 Mar 1993 23:20:46 GMT  
From: sdd.hp.com!col.hp.com!dfk@network.UCSD.EDU  
Subject: Baycom modem schematics??  
To: packet-radio@ucsd.edu

sltmw@cc.usu.edu (BeoPunk CyberWulf) writes:  
> .... Does  
> anyone out there by chance have an ASCII format schematic, or know where I can  
> get one, or know where I can get an already-built one?

Look for a file with the name "tcm3105.zip". This unpacks to a Post Script file which is the schematic, and a text file which contains the reference designators and parts list. I found the file is on wuarchive.wustl.edu in the directory mirrors/msdos/packet.

Dave Kurth      N0UVR  
dfk@col.hp.com  
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Date: Sat, 13 Mar 1993 05:26:17 GMT  
From: usc!cs.utexas.edu!cactus.org!barron@network.UCSD.EDU  
Subject: DSP Modems  
To: packet-radio@ucsd.edu

I am thinking about purchasing a DSP unit for packet and other digital work. Does anyone know when the TAPR DSP board is supposed to be ready? Of the AEA and LL Grace units now being sold which do you think is better?

Does the AEA unit appear to be well supported? Is it being upgraded with new modes on a regular basis? Are ROM upgrades required or can the new modes be loaded via software? Has AEA added doppler compensation for satellite work yet?

Thanks

--

Robert Barron, KA5WSS-----  
P.O. Box 180703                      Internet: barron@cactus.org  
Austin, TX 78718-0703              Packet: ka5wss@n5ljf.tx.usa.na  
(512) 837-4051                      AMPR: ka5wss@ka5wss.ampr.org [44.76.1.184]

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Date: 12 Mar 93 20:39:57 GMT  
From: olivea!inews.Intel.COM!sousa.intel.com!jreece@decwrl.dec.com  
Subject: Entering packet  
To: packet-radio@ucsd.edu

In article <lpvcplINN5qg@appserv.Eng.Sun.COM>, fiddler@concertina.Eng.Sun.COM (steve hix) writes:

> We're not there yet...but we're studying for the tech.  
>  
> We (whole family, #1 daughter about to head out to school  
> halfway across the state next year) figure on using packet  
> radio to keep in touch during the school year, avoiding  
> both AT&T bills and U.S. mail service.

A reasonable start-up cost would be \$150 for a TNC, and \$250 for a HT. People who can solder and prowl the used-gear market can easily get in for < \$100. However, if you and your daughter aren't interested in packet as a hobby it's a lot of work and expense just to avoid picking up a telephone....

> Having limited funds, what I'd like to know is if it is  
> generally possible to connect TNC's to handheld transceivers.

Yes. However, you usually have to build a simple circuit involving a capacitor and resistor to go in the line between the modem and transceiver. TNC's usually come with explicit interfacing instructions for the major HT brands.

>

> I'm assuming that if it can be done, that I will also expect

> to be using something other than the default antenna that  
> comes with the HT. The computers we already have, too.

I can reach a local BBS with my rubber duckie, and indoors to boot.  
The ARRL's "Now You're Talking" novice/tech license book describes  
a 1/4 wave antenna that's easy to make.

> Any other warnings would be useful.

Don't forget to have your daughter check out antenna restrictions with  
prospective landlords.

--

John Reece                    "This lifeboat is full"  
KD6RXL  
Not an Intel spokesman

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Date: Fri, 12 Mar 1993 20:07:05 GMT  
From: usc!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpl-opus!hpnmdla!  
alanb@network.UCSD.EDU  
Subject: just wondering?  
To: packet-radio@ucsd.edu

In rec.radio.amateur.packet, brian@ucsd.edu (Brian Kantor) writes:

>alanb@hpnmdla.sr.hp.com (Alan Bloom) writes:  
>>Does anybody make a TRUE unvarnished TAPR TNC2 clone?

>Sure, TAPR does. They'll sell you the circuit board and schematics and  
>a floppy with the manual and software on it for \$30. Tell them you're  
>going to use it for 9600 bps only and they'll throw in a copy of my notes on  
>what parts you can leave out if you don't need the internal modem.

Yeah, I did that years ago with the TNC-1. Right now, though, I don't  
need Yet Another Project :=)

AL N1AL

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Date: 12 Mar 93 14:48:26 GMT  
From: usenet.coe.montana.edu!news.u.washington.edu!ns1.nodak.edu!plains!ndsuvml!  
gregg@decwrl.dec.com  
Subject: opinions on PK900

To: packet-radio@ucsd.edu

I am thinking of buying a new PK900. A friend had one, serial number 15, and it pooped out so he returned it and got sn:14. That one seemed to work fine, but he just couldn't make the change from the KAM he was used to so exchanged it for a new KAM. I set up the PK900 and had a chance to read part of the manual. I thought it was a pretty darn large box and the display seemed very busy, hard to read at a glance. It looked like it could be confusing with all the "modems", some on one port and others on the other port. The AEA software didn't support the PK900 directly yet either. I would be very interested in other comments. If the PK900 is the only tnc you've owned, I still want your comments but am more interested in experienced user's comments. Thanks in advance. -Joe-

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Date: 12 Mar 93 17:32:53 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: packet-radio equipments manufacturers?  
To: packet-radio@ucsd.edu

Hello everybody,

Can someone help me getting addresses of packet-radio equipments manufacturers; Equipments we intend to buy are:

TNC's allowing KISS mode

Tranceivers (FM transceivers or maybe other kinds)

Antennas

Any help will be greatly appreciated

thank you

khaled

Bouaziz@tnearn.bitnet

bouaziz@spiky.rsinet.tn (internet)

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Date: 12 Mar 93 12:15:19 GMT  
From: pipex!bnr.co.uk!uknet!nessie!goshawk!john@uunet.uu.net  
Subject: Packet radio for the Amiga?  
To: packet-radio@ucsd.edu

In article <1993Mar9.175923.24817@news.unomaha.edu>, rerickso@cwis.unomaha.edu (Ronald D. Erickson) writes:

|>

|> I believe the 500 might work with an C-64 emulator

|> which would make it possible for you to use Baycom or

|> Digicom/64 software. If you use Digicom/64 software,

|> try to use Version 3.51A as it seems to be bug free.

|> I have no experience with Baycom so I can not comment  
|> on it.  
|>

Yuk!, Why not sell your 500 and buy half a dozen C-64's if you want to run Digicom. It seems stupid to run C-64 stuff on an Amiga, no matter how good the C-64 stuff is.

|> Ron  
|> AKON

--

John Heaton - NRS Central Administrator  
MCC Network Unit, The University, Oxford Road, Manchester, M13-9PL  
Phone: (+44) 61 275 6011 - FAX: (+44) 61 275 6040  
Packet: G1YYH @ G1YYH.GB7TCP.#16.GBR.EU

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Date: Fri, 12 Mar 1993 11:10:00 GMT  
From: agate!howland.reston.ans.net!gatech!ukma!news1.gsfc.nasa.gov!  
nssdca.gsfc.nasa.gov!stocker@ames.arpa  
Subject: Some advice while I study what to do  
To: packet-radio@ucsd.edu

A couple of weeks ago I passed by Tech exam. In the interim while waiting for my license to arrive I am doing two things: improving my code skill so I can pass the code test; determining where I want to start in this hobby.

I have decided that I would like to get into packet radio. I intend to start inexpensively just to be sure that I am going to enjoy this.

I am thinking of getting an ICOM IC 229H and power supply to use in base mode. I have an old 286 with 1MB regular mem and 2MB expanded mem. I now have to turn my attention to the TNC. I have two requirements: it not cost a fortune; it be able to handle KISS so I can try TCP/IP networking.

I would like a TNC that has a good mouse-aware software system to go with it. Does the AEA multi-mode TNC meet these requirements? Where can I buy a good version of the TCP/IP software to use with packet.

Any comments people can send me to help ensure that I get a good start would be appreciated. One of the "advantages" of the delay in being able to get started is the time that can be spent gathering information.

thanks,

Erich

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Date: 12 Mar 93 18:18:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: SP (Eskay Packet)  
To: packet-radio@ucsd.edu

Does anyone know of an anonymous ftp site where I can find the latest version of SP (software for WA8DED host mode)? Archie struck out on this.

TIA, Bob

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Bob Nielsen W6SWE  
Internet: rnielsen@tapr.ampr.org  
ax.25: w6swe@kc7cg.az.usa.na

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Date: Fri, 12 Mar 1993 17:29:17 GMT  
From: usc!wupost!tulane!cs.cs.uno.edu!news@network.UCSD.EDU  
Subject: still looking for netrom format  
To: packet-radio@ucsd.edu

I am still looking for information on thenet or netrom. The from address was wrong though on the last post. Anyway I have software written which uses the input capture feature of the hc11 to recieve frames and that is all fine except that thenet nodes show up as garbage when the software is in passall mode. Any ideas would be appreciated especially if replys are sent to mfarley@matcomlab.math.uno.edu rather than the workstation I happened to be using at the time. N5ZDA mfarley@matcomlab.math.uno.edu

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Date: Fri, 12 Mar 1993 01:31:54 GMT  
From: usc!wupost!uwm.edu!src.honeywell.com!The-Star.honeywell.com!umn.edu!gaia.ucs.orst.edu!hebron.connected.com!eskimo!renr@network.UCSD.EDU  
Subject: WANTED: KA9Q source code  
To: packet-radio@ucsd.edu

acm139@ccs.northeastern.edu (Scott Ehrlich) writes:

>The subject says it all. What FTP site has it? Or, could someone please  
>e-mail me a copy of it? I've search many FTP sites via Archie and Gopher.

>Thanks much in advance.

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>=====
=====
>| Scott Ehrlich           Internet: wylz@splinter.coe.northeastern.edu
|
>| Amateur Radio: wylz      Packet Radio: wylz@k1lugm.ma.usa.na
|
>=====
=====
```

Well Scott, according to KA9Q, the official archieve site is now:  
uscd.edu in the directory /hamradio/packet/ka9q

Good Luck 73 de Ren WA7QFR

ren@eskimo.com Ren Roderick  
--  
renr@eskimo.com Ren Roderick

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Date: Sat, 13 Mar 93 00:17:11 GMT  
From: netcomsv!orchard.la.locus.com!prodnet.la.locus.com!lando.la.locus.com!  
dana@decwrl.dec.com  
To: packet-radio@ucsd.edu

References <1993Mar9.135148.11313@ke4zv.uucp>,  
<1993Mar10.153033.167636@locus.com>, <1993Mar11.230900.24032@usl.edu>com  
Subject : Re: What is best radio to use for 9600 buad?

In article <1993Mar11.230900.24032@usl.edu> jpd@ucs.usl.edu (Dugal James P.)  
writes:

>In article <1993Mar10.153033.167636@locus.com> dana@lando.la.locus.com (Dana H.  
Myers) writes:

>...

>>However, the VHF MVP is not as well suited to 9600 baud operation as  
>>Gary would suggest. The MVP exciter is a phase modulated design.  
>>There is no method normally provided to frequency modulate the radio;  
>>the temperature compensation line to the channel element does not  
>>pull the frequency far enough or linearly enough for 9600 baud packet.

>...

>

>Dana, we are using UHF MVPs locally for 9600 baud packet with no  
>difficulty. They interoperate with the Yaesu FT736R equipped with  
>mods for the 9600 baud pacsats.

>



>The Phase modulation concern is unwarranted ... you'll want to bypass  
>the modulator completely. We supply the nb-96 modem output, with  
>a DC bias added, into the temp comp input of the xtal pkg. We looked at  
>the spec and saw that the temp comp. would be unlikely to get activated  
>at temps encountered in La. I can supply actual details if needed.  
>I do see some drift but only because my ft736 has a discriminator  
>meter! I equipped mine with 20 kHz IF filters and it works fine with the  
>MVP.

How much FM does modulating the ICOM (GE name for temp comp voltage) line  
get you? How linear is it?

I investigated this and decided the standard channel element was not  
suitable for direct FM in this manner.

--

\* Dana H. Myers KK6JQ | Views expressed here are \*  
\* (310) 337-5136 | mine and do not necessarily \*  
\* dana@locus.com DoD #466 | reflect those of my employer  
\*  
\* This Extra supports the abolition of the 13 and 20 WPM tests \*

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Date: 12 Mar 1993 18:25:57 GMT  
From: ucsd.edu!brian@network.UCSD.EDU  
To: packet-radio@ucsd.edu

References <dlawlor.731579198@morgan>, <14580046@hpnmdla.sr.hp.com>,  
<1993Mar12.060315.798@ke4zv.uucp>  
Subject : Re: just wondering?

The MFJ1270 was a TNC-2 clone, with a minor change in the circuit board  
layout to accomodate a different style of lithium battery, the HF  
modem parts and switch, and the TTL outputs.

The 1270B has much more extensive layout changes, since it's the same  
circuit boards as it used in the 1274. They just don't stuff the tuning  
indicator parts. However, it's still the same unit 90%+.

The layout changes between the 1270 and the B model are mostly that the  
ROM and RAM were swung around onto a previous-empty portion of the  
circuit board to make room for the tuning indicator.

- Brian

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End of Packet-Radio Digest V93 #66

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